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AN INTERNSHIP REPORT CARRIED OUT AT NATIONAL SEMI-ARID RESOURCES RESEARCH INSTITUTE (NaSARRI)-SERERE DISTRICT UNDER DIFFERENT PROGRAMMES OF CROP PRODUCTION AND MANAGEMENT FROM 28/03/2022 TO 22nd /04/2022.

COMPILED BY

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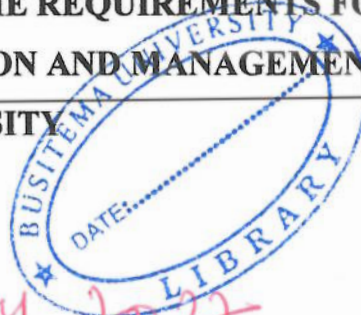
~~**COURSE NAME: INDUSTRIAL TRAINING**~~

~~**COURSE CODE: DCP 1208**~~

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TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF DIPLOMA IN CROP PRODUCTION AND MANAGEMENT AT BUSITEMA UNIVERSITY



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A Report
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JAN MAY, 2022

SUBMISSION DATE: 18th / 05 / 2022

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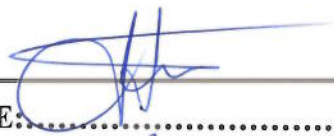
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DECLARATION

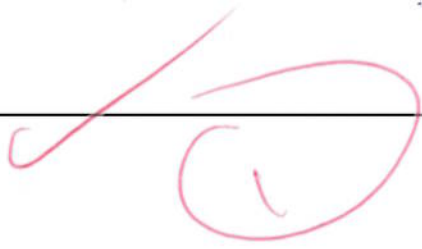
I OKURUT FRANCIS do declare that this report is entirely an original documentation of my industrial training experience at NaSARRI, SERERE DISTRICT and

2 it has never been submitted to any institution of higher learning for the award of diploma in crop production and management.


SIGNATURE:.....

DATE: 11th / 05 / 2022

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DEDICATION

I dedicate this report to my lovely family members, to my dear friend Okinong Daniel and all my fellow university students for the advice and support they offered to me .I also dedicate it to all the staff of NaSARRI for the support they rendered to me during the time of my training t that may the Almighty God reward you abundantly.

A handwritten signature in red ink, consisting of a long, sweeping horizontal stroke followed by a circular flourish.

ACKNOWLEDGEMENT

I take this opportunity to say thanks to GOD and greatly acknowledging His guidance through this tough times and good times of study, learning and interaction. This time I also say thank you to my field supervisor Mr. Aru Charles for his good guidance not forgetting the staff of Busitema University for establishing this formidable curriculum with this good educative programme to me as a student in the field of science. This is a proper educative process that has left me full of knowledge.

A handwritten mark consisting of a horizontal line above a circle with a vertical line through it, resembling a stylized signature or a specific symbol.

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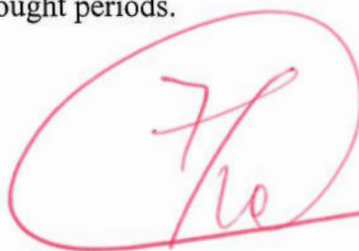
LIST OF ABBREVIATIONS

BPA-	Bukalasa pedigree Alba
CGA-	Cotton Ginning Association
CMS-	Cytoplasm Male Sterile
DCP-	Diploma in crop production and management
FA-	Field Assistant
<hr/>	
FT-	Field Technician
ICRISAT-	International Crop Research Institute for the Semi-Arid Tropics
IT-	Industrial training/Internship
NARO-	National Agricultural Research Organization
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NaSARRI-	National Semi-Arid Resources Research Institute
NGOs-	Non Government Organizations
SAARI-	Serere Agricultural and Animal Research Institute
SATU _	Serere Alba type Uganda
UOSPA-	Uganda Oil Seed Producers and Processors Association
ZARDI-	Zonal Agricultural Research Development Institute



ABSTRACT

Industrial training was carried out at the National Semi-Arid Resources Research Institute (NaSARRI) as the area of field attachment for a period of two months from 28th February to 22nd April 2022. NaSARRI is located 21 km south west of Soroti Town. The purpose of industrial training was to enable students to get exposure to the practical activities in relation to the theory being learnt from class by interacting with the different field supervisors who will impart practical skills to students. While at NaSARRI I was able to carry out several activities under various research programmes like Dry land cereals, dry land legumes, cotton, oil crops and farm management where I carried out activities like; emasculation, crossing, pest and disease management and identification, taking of plot and grain weights of seeds. However during industrial training I faced some challenges like inadequate tools and equipment for carrying out practicals at the station, I also faced a problem of unfavorable weather conditions which made it difficult for us to carry out some of the expected practical activities like field marking and planting because of prolonged drought. In conclusion industrial training was conducted successfully without any interruption. And I therefore recommend the Administration of the research station to acquire more tools and equipment for carrying out practical. I also want to recommend the administration to construct an irrigation system in the farm to cater for water shortage during the drought periods.



CHAPTER ONE

1.1 Introduction to IT.

The National semi-Arid Resources Research Institute NaSARRI formally called SAARI is one of the 17 public agricultural research institutes under NARO and its responsible for conducting and coordinating agricultural research of crops, livestock, fisheries, forestry and national resources and also to ensure dissemination of results .it falls under the category of National semi-Arid Resources Research Institute NaSARRI which carry and manage the agricultural research of strategic nature and National importance. NaSARRI conducts applied and adaptive research in agriculture in the experimental station for ox-cultivation that was designed to support and uplift cotton production in Teso and for training the staff from the department of agriculture by then NASARRI has made fundamental and considerable progress since its creation but all these progress would not have happened if it was not because of the support from the government of Uganda and several donors.

1.2 OBJECTIVES OF INTERNSHIP

To develop student understanding of work ethics, employment demands, responsibilities and opportunities.

To provide an opportunity to students to apply the principles and techniques theoretically learnt into real life problem solving situation.

To expose students to functioning of the decentralized system and private sector

To appreciate the condition and dynamic of rural life and challenges they are likely to face as agricultural professionals

1.3 Background of NaSARRI

Agricultural Research in Serere was started way back in 1920 by the colonial government as an animal traction unit. When NARO was launched it was given a name Serere Agricultural and Animal Research Institute (SAARI).

Later on due to restructuring of NARO the name was again changed to National Semi – Arid Resources Research Institute (NaSARRI) to carry out research on semi-arid region of Uganda. This was after research was done with support from the government of Uganda and several donors especially the World Bank which provided major funding. The Institute has made considerable progress since it was introduced.